In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently Amended) A method of measuring traffic at a node under test in a network, comprising:

a) sending a plurality of first type datagrams from a source node, each first type datagram having a path through the network including the node under test, each first type datagram causing the node under test to generate a second type datagram, and each second type datagram having a path through the network that includes the source node;

b) processing at least two of the second type datagrams to determine a number of datagrams processed by the node under test between ~~said~~ the at least two of the second type datagrams;

c) determining the time between the at least two of the second type datagrams; and

d) computing a traffic value reflecting the ratio between the determined number of messages and the determined time.

2. (Original) The method of measuring traffic of claim 1 wherein causing the node under test to generate a second type datagram includes setting a time to live field in the first type datagram that causes the datagram to expire upon reaching the node under test.

3. (Original) The method of claim 2 wherein the second type datagram is part of a message indicating that a datagram expired.

4. (Original) The method of claim 1 wherein the source node is a consumer computer.

5. (Original) The method of claim 1 wherein the source node is a diagnostic unit connected to a call center.

6. (Original) The method of claim 5 wherein the diagnostic unit is in a different administrative domain than the node under test.

7. (Original) The method of claim 5 wherein the first type datagrams have a destination address representing a server for which a customer experienced problems accessing.

8. (Original) The method of claim 1 used in a method of responding to a customer complaint about slow access to the Internet, additionally comprising:

a) receiving from the customer a URL;

b) selecting the node under test based on the designated URL;

c) reporting to the customer based on the results of the measured traffic.

9. (Original) The method of claim 1 additionally comprising:

a) selecting a path through the network having a plurality of nodes;

b) measuring the traffic at the plurality of nodes according to the method of claim 1.

10. (Original) The method of claim 1 wherein the first type datagram is in IP protocol.

11. (Original) The method of claim 1 wherein the second type datagrams are in IP protocol and processing the second type datagrams includes computing the change in the value of the identification fields in the datagrams.

12. (Original) The method of claim 1 wherein the second type datagram is part of a time out message.

13. (Original) The method of claim 1 wherein the value reflecting the computed traffic value is an average of values obtained from processing multiple pairs of second type datagrams.

14. (Original) A method of measuring traffic at a node under test in a network, comprising:

a) sending a pair of first type datagrams from a source node separated by a time interval, each of the first type datagrams having a path through the network including the node under test; each of the first type datagrams having a time to live field causing the datagram to expire at the node under test, thereby causing the node under test to generate a timeout message in response to each first type datagram;

b) processing the timeout messages to determine a number of datagrams processed by the node under test between the timeout messages;

c) computing a traffic value reflecting the number of datagrams processed by the node under test in the time interval.

15. (Original) The method of claim 14 wherein the first type datagrams are in IP protocol.

16. (Original) The method of claim 14 wherein the source node is a diagnostic unit associated with a call center.

17. (Currently Amended) A method of measuring traffic at nodes on a path through a network, comprising, for each node in the path:

a) sending a pair of first type datagrams from a source node separated by a time interval, each of the first type datagrams having a path through the network including the node under test[[;]], each of the first type datagrams having a time to live field causing the datagram to expire at the node under test, thereby causing the node under test to generate a timeout message in response to each first type datagram;

b) processing the timeout messages to determine a number of datagrams processed by the node under test between the timeout messages;

c) graphically displaying the results of the processing in a graph showing traffic on a node by node basis.

18. (Original) The method of claim 17 additionally comprising selecting the path through the network in response to a consumer complaint about accessing a node in the network.

19. (Original) The method of claim 17 wherein processing the timeout messages includes computing the difference in the value of the ID fields in the messages.

20. (Original) The method of claim 19 wherein processing the timeout messages determining the ratio between the difference in the values of the ID fields and the difference in times at which the messages in the pair of first type datagrams are sent.